

IN THE SPECIFICATION

Please enter the following amendment to the Specification:

1. Please delete the paragraph beginning on page 3, line 4 ("An object of the present invention...).
2. Please delete the paragraph beginning on page 3, line 6 ("An further object of the invention...).
3. Please insert the following new paragraph immediately after the paragraph ending on page 3 line 3 (...US 5,208,344.):

US patent application US2002/140419 describes a system for measuring small changes in distance. The system comprises a fixed unit and a mobile unit, the mobile unit being a passive transponder that reflects signals broadcast by the fixed unit. The distance between the fixed and mobile units is determined by the variation of mutual coupling between the coil in the mobile unit and the coil in the fixed unit: the fixed unit broadcasts a field that is picked up by the mobile unit coil, generating a voltage in that coil that, in turn, creates a current in the coil. This current creates an opposing magnetic field that is "sensed" by the fixed unit coil with the result that its impedance changes and this impedance change is measured by the fixed unit's bridge detector circuit. The range of the system is dependent on mutual coupling between the coils and the sensitivity of the circuit to detect changes to this coupling. The further they are separated, the weaker the coupling and there will come a point where a change in distance will make a change in output voltage that is comparable with the noise level of the circuit. As described in paragraphs 1 and 9 of the application, the system can only work over very short distances, of the order of a few cm.

4. Please delete the paragraph beginning on page 3, line 10 (According to a first aspect...) and replace it with the following new paragraph:

According to a first aspect of the present invention there is provided a radio frequency receiver for use in a proximity detecting system, the radio frequency receiver comprising

- at least one antenna coil operable to receive radio frequency signals;
- tunable receiver circuitry arranged in operative association with the antenna coil and being arranged to modify the frequency at which radio signals are received by the radio frequency receiver;

- a signal processor arranged to amplify and filter signals received by the radio frequency receiver;

- a processing system arranged to receive radio signals amplified and filtered by the signal processor so as to evaluate a signal strength associated with each said antenna coil, the processing system being arranged to evaluate a distance between a radio frequency transmitter and the radio frequency receiver on the basis of evaluated signal strengths associated with radio signals received by at least one antenna coil, wherein the radio frequency receiver is operable to receive and process radio signals of frequencies between 100kHz and 10 MHz.